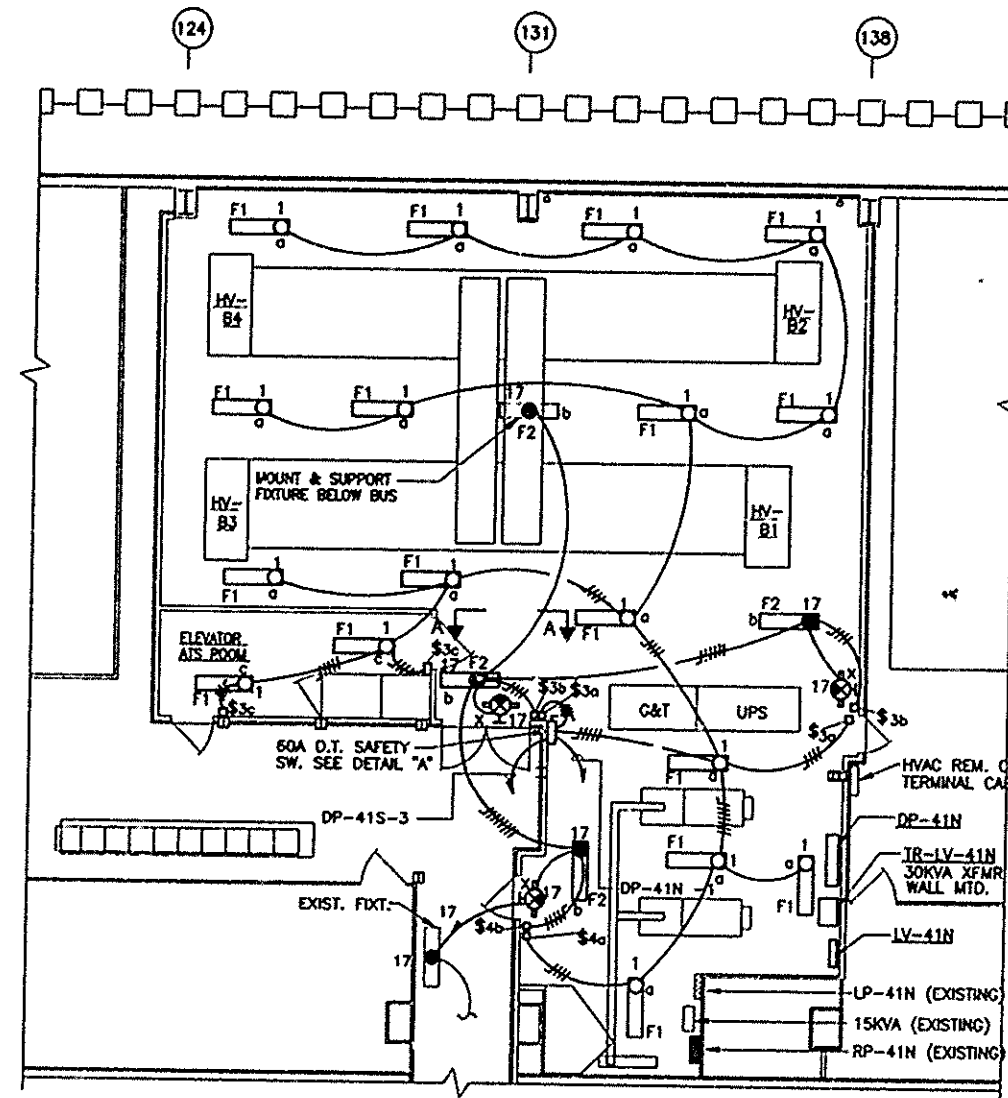
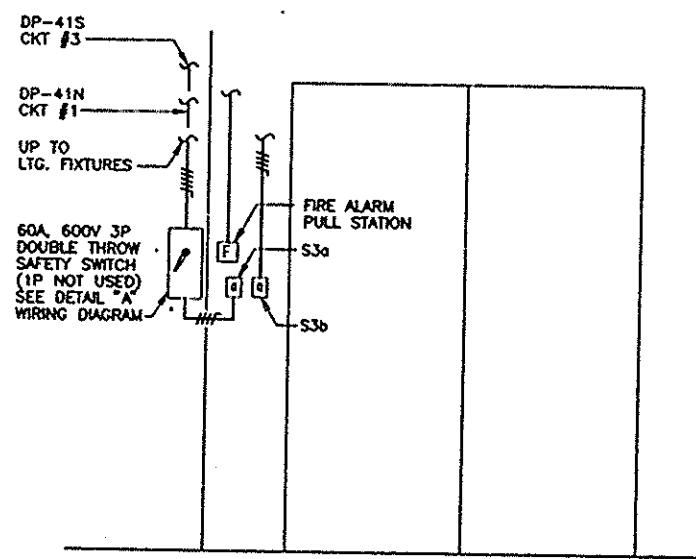


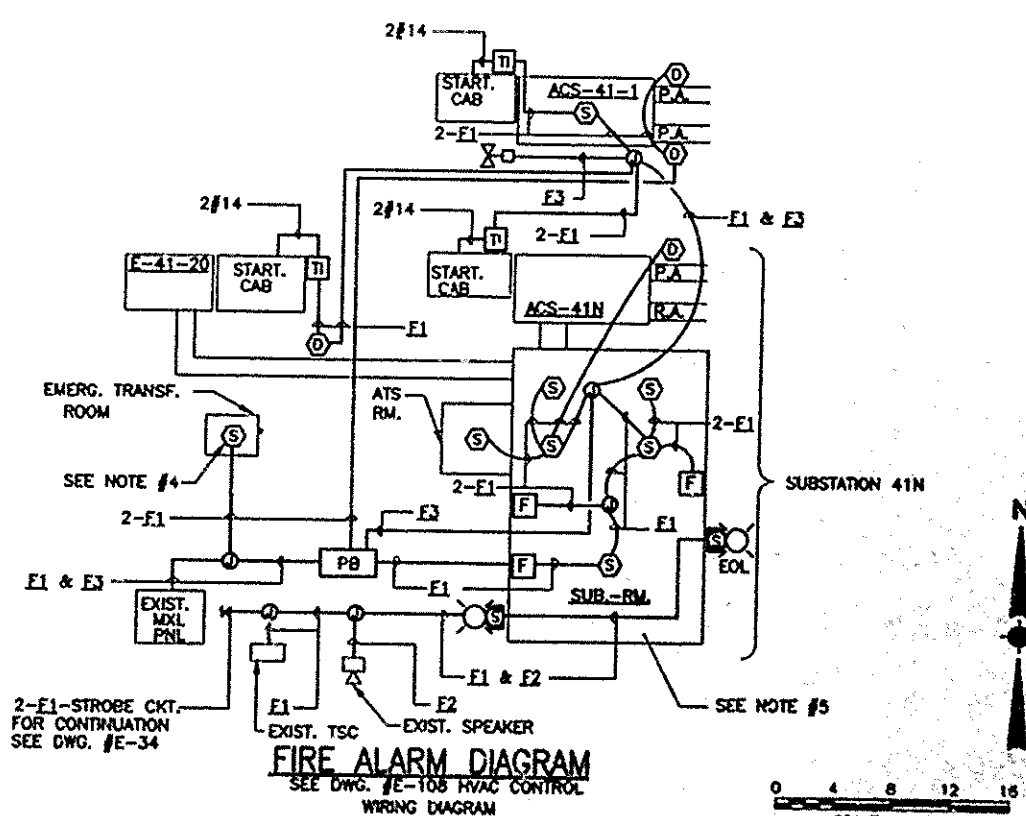
PLAN - SUBSTATION SS-41N
FIRE ALARM PLAN - STAGE I & III, POWER PLAN - STAGE III



PLAN - SUBSTATION SS-41N
LIGHTING PLAN - STAGE III



SECTION A-A



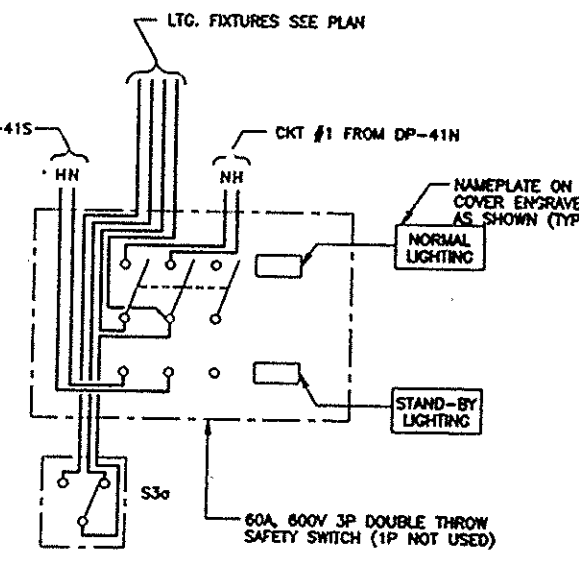
FIRE ALARM DIAGRAM
SEE DWG. #E-108 HVAC CONTROL
WIRING DIAGRAM

NOTES

- FOR LEGEND SEE DRAWING #E-1.
FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.
- FOR PANEL DP-41N AND LV-41N SCHEDULES SEE DRAWING #E-100.
- MOUNT EXIT LIGHT SUCH THAT BOTTOM EDGE OF FIXTURE IS 12" ABOVE TOP OF DOOR.
- IN STAGE I - INSTALL AC UNITS SMOKE DETECTORS AND AREA SMOKE DETECTORS IN EMERG. TRANSF. RM., WITH ASSOCIATED WIRING.
- IN STAGE III - REMOVE EXIST. SUBSTATION'S AREA SMOKE DETECTORS, PULL STATIONS, STROBE HORN UNITS. (SEE DWG. #E-8) INSTALL NEW AREA SMOKE DETECTORS, PULL STATIONS, STROBE SPEAKER UNITS IN SUBSTATION AND ELEVATOR A.T.S. ROOM.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS, CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE: 6/21/95 *Samuel A. Adams* SPEC. WRITER
DATE: 8/15/95 *Peter K. Sweeney* ENGINEER OF DESIGN



DETAIL "A"
WIRING DIAGRAM

NOTE: GROUND WIRE REQUIRED FOR ABOVE INSTALLATION WAS NOT SHOWN.

THE PORT AUTHORITY
OF NY & NJ

Peter K. Sweeney
ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
Samuel A. Adams
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions
The World Trade Center
Electrical/HVAC
Upgrade Program

TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION

ELECTRICAL
SUBSTATION SS-41N
STAGE III
LIGHTING POWER &
FIRE ALARM PLAN

No.	Date	Revision	Approved
1	5-1-95		ROYZMAN
2			ROYZMAN
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Date 5-1-95 Scale AS NOTED
Contract Number WTC 802.071 Drawing Number E-20